

PATENT

Atty. DkL No. PARK/0002

IN THE CLAIMS:

Please cancel claims 2-5, and amend the claims as follows:

1. (Currently Amended) An endoscope system having a body comprising:
a cylinder having a head unit mounted by a camera device at one side thereof
and connected to a tube which is connected to an external device out of a human body
at the other side thereof;
a front fixing unit connected to the head unit, installed to an outer circumference
of the cylinder, and thereby fixable to an inner wall of an organ;
a rear fixing unit slidably installed at the outer circumference of the cylinder and
fixable to the inner wall of the organ; and
a moving unit connectedly installed between the front fixing unit and the rear
fixing unit for moving the head unit in the organ by an extension and contraction when
the front fixing unit or the rear fixing unit fixes the head unit to the inner wall of the
organ; wherein the moving unit forming a hermetic space comprises a double moving
bellows having a sectional surface of a doughnut shape, and the moving bellows is
extended or contracted by amount of inner air of the hermetic space.
- 2-5. (Cancelled)
6. (Original) The system of claim 1, wherein a diagnosis tool is additionally
mounted to the head unit.
7. (Original) The system of claim 6, wherein the diagnosis tool is dye reacting
with a cancer cell.
8. (Original) The system of claim 1, wherein the head unit is additionally
provided with a frequency generating unit for generating frequency for virtual biopsy.
9. (Original) The system of claim 1, wherein the head unit is additionally

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provided with a light source of infrared rays.

10. (Currently Amended) The system of claim 1, wherein the camera device additionally includes a steering system for adjusting an imaging direction of ~~[[a]]~~ the camera device.

11. (Currently Amended) The system of claim 10, wherein the steering system includes an upper plate on which the camera device is mounted; a lower plate fixed to the head unit; and a plurality of connecting bridges for changing the imaging direction of the camera device by connecting the upper plate and the lower plate and having a changed length thereof.

12. (Original) The system of claim 11, wherein the connecting bridge is functional polymer.

13. (Original) The system of claim 11, wherein the connecting bridge is a pneumatic cylinder.

14. (Currently Amended) The system of claim 1, further comprising:
a recognizing unit for recognizing a movement of an observer's pupil; and a controlling unit for generating a control signal according to the pupil's movement recognized by the recognizing unit,
wherein an image position of the camera device and a movement of the body are controlled by a signal of the control unit.

15. (Currently Amended) The system of claim 14, wherein an image outputting device for outputting image obtained by the camera device is a head mounted display.

16. (Currently Amended) The system of claim 14, wherein the recognizing unit includes:

a recognizing camera device for imaging the observer's eyes; and

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an image processing unit for recognizing the pupil's movement from image obtained by the recognizing camera device.

17. (Currently Amended) The system of claim 15, wherein the recognizing camera device is attached to the head mounted display.

18. (Original) The system of claim 15, wherein the recognizing unit recognizes a pupil's movement by measuring an electromyogram of a muscle around the observer's eyes.

19. (Currently Amended) The system of claim 15, wherein the control unit adjusts a focus distance of ~~[[a]]~~ the camera device according to a pupil's state of the recognizing unit.

20. (Currently Amended) The system of claim 15, wherein the camera device further includes an illuminating device for illuminating so that the camera device can obtain images, and the control unit controls brightness of the illuminating device according to the pupil's state of the recognizing unit.

21. (Currently Amended) The system of claim 1, further comprising a joy stick for controlling an image location of the camera device and a movement of the body.

22. (Currently Amended) The system of claim 1, further comprising a touch screen for controlling an image location of the camera device and a movement of the body.